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UNITED STATES DEPARTMENT OF AGRICULTURE

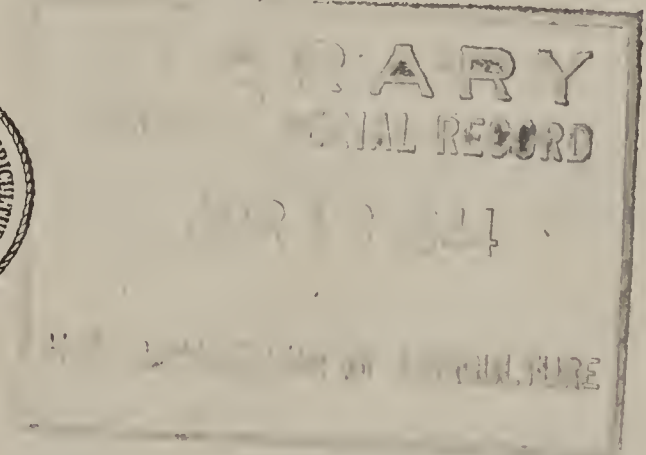
A

DIRECTORY
OF THE
BUREAU OF ANIMAL INDUSTRY

Corrected to July 1, 1943

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UNITED STATES
GOVERNMENT PRINTING OFFICE
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GENERAL ORGANIZATION OF THE BUREAU

Chief: JOHN R. MOHLER.

Assistant Chief: A. W. MILLER.

Assistant Chief: HUGH C. MCPHEE.

Assistant Chief: HARRY W. SCHOENING.

Assistant Chief: PAUL E. HOWE.¹

Business Manager: J. R. COHRAN.

Assistant Business Manager: N. A. OLMSTEAD.

Assistant to Chief: D. S. BURCH.

Animal Disease Station: ADOLPH EICHHORN, *Director.*

Animal Husbandry Division: HUGH C. MCPHEE, *Head Animal Husbandman in charge.*

Field Inspection Division: S. O. FLADNESS, *Principal Veterinarian in charge.*

Interstate Inspection Division: A. W. MILLER, *Head Veterinarian in charge.*

Pathological Division: HARRY W. SCHOENING, *Principal Veterinarian in charge.*

Division of Tick Eradication and Special Diseases: W. M. MACKELLAR, *Principal Veterinarian in charge.*

Tuberculosis Eradication Division: A. E. WIGHT, *Principal Veterinarian in charge.*

Division of Virus-Serum Control: D. I. SKIDMORE, *Principal Veterinarian in charge.*

Zoological Division: BENJAMIN SCHWARTZ, *Principal Zoologist in charge.*

¹ On military furlough.

STATIONS OF THE BUREAU, LINES OF WORK, AND OFFICIALS IN CHARGE

[Lower-case boldface indicates substations; numbers in parentheses following stations are symbols used in accounting]

ALABAMA

AUBURN, ALA. (220) : Regional animal disease research laboratory; Dr. B. T. Simms, P. O. drawer 952.

MONTGOMERY, ALA. (223) : Hog-cholera control; tick, tuberculosis, and Bang's disease eradication; public stockyards inspection; Dr. Roy E. Jackson, 409 New Post Office Bldg. Zone 4.

ALASKA

PALMER, ALASKA (970) : Tuberculosis eradication; Dr. Earl F. Graves, Territorial veterinarian, P. O. box 125.

ARIZONA

GLENDAL, ARIZ. (230) : Poultry feeding investigations; B. W. Heywang, Southwest Poultry Experiment Station.

ARKANSAS

LITTLE ROCK, ARK. (243) : Hog-cholera control; tick, tuberculosis, and Bang's disease eradication; Dr. A. W. Rice, 507 Federal Bldg.

CALIFORNIA

BERKELEY, CALIF. (250) :
Virus-serum control; Dr. G. P. Rebold, acting in charge, rooms 6 and 7, 2503 San Pablo Ave. Zone 2.
Substation : Petaluma, Calif.

CALEXICO, CALIF. (251) : International inspection and quarantine; Dr. John C. Pace.

Los Angeles, Calif. : International inspection and quarantine; public stockyards inspection. (See Sacramento, Calif.)

Petaluma, Calif. : Virus-serum control. (See Berkeley, Calif.)

SACRAMENTO, CALIF. (254) :
Scabies, dourine, tick, tuberculosis, and Bang's disease eradication; public stockyards inspection; international inspection and quarantine; Dr. H. M. O'Rear, P. O. box 1086 (office, 218 Federal Bldg.). Zone 5.

Substations : Los Angeles and San Francisco, Calif.

San Francisco, Calif. : Public stockyards inspection; international inspection and quarantine. (See Sacramento, Calif.)

COLORADO

Colorado Springs, Colo. :
Virus-serum control. (See Denver, Colo.)
Ox-warble control. (See Albuquerque, N. M.)

DENVER, COLO. (270) :
Pathological laboratory; Dr. George W. Stiles, 517 Custom House. Zone 2.
Scabies, tuberculosis, and Bang's disease eradication; hog-cholera control; public stockyards inspection; Dr. Edgar Heiny, 530 Custom House. Zone 2.
Virus-serum control; Dr. Carl V. Metcalf, 5030 York St. Zone 16.
Substation : Colorado Springs, Colo.

CONNECTICUT

HARTFORD, CONN. (281) : Tuberculosis and Bang's disease eradication; sanitary handling of import animal byproducts, hay, and straw; Dr. R. L. Smith, 207 State Office Bldg.

FLORIDA

BROOKSVILLE, FLA. (311) : Animal-husbandry investigations, in cooperation with Florida; Clement D. Gordon, care Animal Husbandry Experiment Station, Chinsegut Hill Sanctuary.

JACKSONVILLE, FLA. (314) : Tick, tuberculosis, and Bang's disease eradication; transportation of cattle from quarantined areas in Florida; international inspection and quarantine; hog-cholera control; Dr. T. H. Applewhite, 204 Greenleaf Bldg. Zone 2.

GEORGIA

ALBANY, GA. (330) : Virus-serum control; Dr. C. A. Klein, 520 Third Ave. (office, Albany Serum Co.).

ATLANTA, GA. (332) : Hog-cholera control; tuberculosis and Bang's disease eradication; public stockyards inspection; sanitary handling of import animal byproducts, hay, and straw; Dr. W. C. Dendinger, 511 New Federal Bldg. Zone 3.

TIFTON, GA. (337) : Investigations of swine parasites; Dr. John Scott Andrews, care Georgia Coastal Plain Experiment Station.

IDAHO

BOISE, IDAHO (350) : Hog-cholera control; scabies, tuberculosis, and Bang's disease eradication; Dr. Fred F. Fischer, 628-629 Idaho Bldg., 8th and Ban-nock Sts.

DUBOIS, IDAHO (351) :
Range-sheep investigations; Julius E. Nordby, U. S. Sheep Experiment Station.
Investigations on improvement of sheep for western ranges through the application of breeding methods; Julius E. Nordby, Western Sheep Breeding Laboratory.

ILLINOIS

Aurora, Ill. : Virus-serum control. (See East St. Louis, Ill.)

CHICAGO, ILL. (362) :
Public stockyards inspection; sanitary handling of import animal byproducts, hay, and straw; Dr. John Dickson, Room 204, 999 Exchange Ave., Union Stock Yards. Zone 9.
Substation : Milwaukee, Wis.
Virus-serum control. (See East St. Louis, Ill.)
Pathological laboratory; Dr. J. S. Bengston, 905 U. S. Custom House Bldg., Canal and Harrison Sts. Zone 7.

Stations of the Bureau, lines of work, and officials in charge—Continued

[Lower-case boldface indicates substations; numbers in parentheses following stations are symbols used in accounting]

ILLINOIS—Continued

CHICAGO, ILL.—Continued.

Zoological investigations relating to meat; Dr. S. X. Cross, 905 U. S. Custom House Bldg., Canal and Harrison Sts. Zone 7.

EAST ST. LOUIS, ILL. (363):

Virus-serum control; Dr. J. W. Joss, P. O. box 6 (office, 327 Federal Bldg.). Substations: Aurora, Chicago, North Chicago, Polo, and White Hall, Ill.; St. Louis, Mo.; and Grafton and Woodworth, Wis.

NATIONAL STOCK YARDS, ILL. (365): Public stockyards inspection; sanitary handling of import animal byproducts, hay, and straw; Dr. J. S. Jenison, P. O. box 138 (office, 20 Livestock Exchange Bldg.).

North Chicago, Ill.: Virus-serum control. (See East St. Louis, Ill.)

Polo, Ill.: Virus-serum control. (See East St. Louis, Ill.)

SPRINGFIELD, ILL. (367): Scabies, tuberculosis, and Bang's disease eradication; hog-cholera control; Dr. A. K. Kuttler, 403 Illinois National Bank Bldg.

White Hall, Ill.: Virus-serum control. (See East St. Louis, Ill.)

INDIANA

Evansville, Ind.: Public stockyards inspection. (See Indianapolis, Ind.)

INDIANAPOLIS, IND. (383):

Virus-serum control. (See Columbus, Ohio.)

Hog-cholera control; tuberculosis and Bang's disease eradication; public stockyards inspection; sanitary handling of import animal byproducts, hay, and straw; Dr. W. A. Sullivan, 248 Consolidated Bldg., 115 N. Pennsylvania St. Zone 4.

Substation: Evansville, Ind.

Thorntown, Ind.: Virus-serum control. (See Columbus, Ohio.)

Zionsville, Ind.: Virus-serum control. (See Columbus, Ohio.)

IOWA

AMES, IOWA (411):

Hog-cholera investigations; swine erysipelas investigations; Dr. Clarence G. Cole, P. O. box 70.

Regional swine-breeding laboratory: Dr. W. A. Craft, care Iowa State College.

Charles City, Iowa: Virus-serum control. (See Fort Dodge, Iowa.)

DES MOINES, IOWA (414):

Scabies, tuberculosis, and Bang's disease eradication; hog-cholera control; Dr. J. A. Barger, Suite 301 Old Colony Bldg., 10th St. and Grand Avenue. Zone 9.

Virus-serum control. (See Fort Dodge, Iowa.)

FORT DODGE, IOWA (416):

Virus-serum control; Dr. D. G. Tepfer, 34 Post Office Bldg.

Substations: Charles City and Des Moines, Iowa.

SIOUX CITY, IOWA (421):

Public stockyards inspection; Dr. Perry Zenor, 323 Livestock Exchange Bldg., Stockyards Station. Zone 11.

Virus-serum control; Dr. L. B. Vermilion, 320 Livestock Exchange Bldg., Stockyards Station. Zone 11.

Substations: St. Paul, Minn.; and Sioux Falls, S. Dak.

KANSAS

KANSAS CITY, KANS. (441):

Virus-serum control; Dr. F. A. Imler, 19 Federal Bldg. Zone 10.

Substations: Wichita, Kans.; Kansas City and Lathrop, Mo.; and Franklin and Superior, Nebr.

Manhattan, Kans.: Virus-serum control. (See Topeka, Kans.)

TOPEKA, KANS. (445):

Hog-cholera control; scabies, tuberculosis, and Bang's disease eradication; public stockyards inspection; Dr. Ralph Graham, P. O. box 439 (office, 204 Federal Bldg.).

Substation: Wichita, Kans.

Virus-serum control; Dr. Charles Walter, care Johnson Serum Co.

Substation: Manhattan, Kans.

Wichita, Kans.:

Public stockyards inspection. (See Topeka, Kans.)

Virus-serum control. (See Kansas City, Kans.)

KENTUCKY

FRANKFORT, KY. (460): Hog-cholera control; scabies, tuberculosis, and Bang's disease eradication; Dr. E. E. Coshaw, 714 McClure Bldg.

LOUISVILLE, KY. (462): Public stockyards inspection; sanitary handling of import animal byproducts, hay, and straw; Dr. Guy Bard, Room 114, Livestock Exchange Bldg., Bourbon Stockyards. Zone 6.

LOUISIANA

BATON ROUGE, LA. (470): Scabies, tick, tuberculosis, and Bang's disease eradication; hog-cholera control; Dr. W. A. McDonald, P. O. Box 1391 (office, 326-327 Post Office and Court Bldg.). Zone 2.

JEANERETTE, LA. (471): Investigations relating to livestock, dairying, and forage production in the cane-sugar districts of the Southern States; Albert O. Rhoad, Iberia Livestock Experiment Farm.

NEW ORLEANS, LA. (472): Public stockyards inspection; international inspection and quarantine; Dr. Earl J. Meixel, 429 Balter Bldg., 404 St. Charles St. Zone 12.

MAINE

AUGUSTA, MAINE (481): Tuberculosis and Bang's disease eradication; sanitary handling of import animal byproducts, hay, and straw; Dr. B. J. Cady, 316 Water St.

CALAIS, MAINE (482): International inspection and quarantine; Dr. R. D. Hyde, Federal Bldg.

HOULTON, MAINE (483): International inspection and quarantine; Dr. C. C. Logan, U. S. Post Office and Customhouse.

MARYLAND

BALTIMORE, MD. (490): Tuberculosis and Bang's disease eradication; public stockyards inspection; international inspection and quarantine; Dr. O. L. Lockwood, 824 Fidelity Bldg. Zone 1.

Stations of the Bureau, lines of work, and officials in charge—Continued

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MARYLAND—Continued

BELTSVILLE, MD. (491) :

Animal-husbandry and animal-nutrition investigations; Carl G. Potts, Animal Husbandry Experiment Station.
Investigations of parasitic diseases; Dr. Lawrence Avery, Zoological Division.
Animal disease research; Dr. Adolph Eichhorn, Director, Animal Disease Station.
Virus-serum control; Dr. D. I. Skidmore, Division of Virus-Serum Control.

COLLEGE PARK, MD. (493) : Educational and regulatory hog-cholera work; Dr. Mark Welsh, care University of Maryland.

MASSACHUSETTS

BOSTON, MASS. (500) : Tuberculosis and Bang's disease eradication; international inspection and quarantine; Dr. E. M. Aldrich, 802 Customhouse Bldg. Zone 9.

MICHIGAN

Detroit, Mich.:

Public stockyards inspection; international inspection and quarantine. (See Lansing, Mich.)
Virus-serum control. (See Columbus, Ohio.)

EAST LANSING, MICH. (525) : Research for improvement of viability in poultry; Berley Winton, Regional Poultry Research Laboratory.

LANSING, MICH. (521) :

Hog-cholera control; tuberculosis and Bang's disease eradication; public stockyards inspection; international inspection and quarantine; Dr. C. H. Hays, 724 State Office Bldg. Zone 13.
Substation: Detroit, Mich.

Rochester, Mich.: Virus-serum control. (See Columbus, Ohio.)

SAULT STE. MARIE, MICH. (524) : International inspection and quarantine; Dr. D. B. Allen, 134 Spruce West.

MINNESOTA

ST. PAUL, MINN. (534) :

Tuberculosis and Bang's disease eradication; sanitary handling of import animal byproducts, hay, and straw; Dr. W. J. Fretz, 1209 U. S. Post Office and Custom House. Zone 1.
Virus-serum control. (See Sioux City, Iowa.)

SOUTH ST. PAUL, MINN. (535) : Public stockyards inspection; Dr. Morey A. Sappington, 207 Post Office Bldg.

MISSISSIPPI

JACKSON, MISS. (551) : Hog-cholera control; scabies, tick, tuberculosis, and Bang's disease eradication; Dr. Hartwell Robbins, 1009-1013 Jackson Tower Bldg., 127 South Roach St. Zone 1.

MISSOURI

JEFFERSON CITY, MO. (572) : Hog-cholera control; scabies, tuberculosis, and Bang's disease eradication; Dr. E. C. Hughes, P. O. box 627 (office, 202 U. S. Post Office and Court House.).

KANSAS CITY, MO. (574) :

Public stockyards inspection; Dr. Charles A. Jerome, 800-802 Livestock Exchange Bldg. Zone 15.
Virus-serum control. (See Kansas City, Kans.)

Lathrop, Mo.: Virus-serum control. (See Kansas City, Kans.)

MISSOURI—Continued

ST. JOSEPH, MO. (575) :

Virus-serum control; Dr. J. S. Clark, 11 U. S. Post Office and Court House.
Substation: South St. Joseph, Mo.

St. Louis, Mo.: Virus-serum control. (See East St. Louis, Ill.)

SOUTH ST. JOSEPH, MO. (577) :

Public stockyards inspection; Dr. F. C. Mau, P. O. box 635 (office, Livestock Exchange Annex).
Virus-serum control. (See St. Joseph, Mo.)

WEST PLAINS, MO. (578) : Virus-serum control; Dr. J. F. Park, P. O. box 244.

MONTANA

HELENA, MONT. (594) : Scabies, tuberculosis, and Bang's disease eradication; international inspection and quarantine; Dr. G. W. Cronen, Live Stock Bldg. Capitol Station.

MILES CITY, MONT. (596) : Cooperative range livestock investigations; J. R. Quesenberry, in charge, U. S. Range Livestock Experiment Station.

NEBRASKA

Franklin, Nebr.: Virus-serum control. (See Kansas City, Kans.)

Grand Island, Nebr.: Virus-serum control. (See Omaha, Nebr.)

LINCOLN, NEBR. (610) :

Hog-cholera control; scabies, tuberculosis, and Bang's disease eradication; Dr. J. W. Murdoch, 303 U. S. Post Office Bldg. Zone 8.
Virus-serum control. (See Omaha, Nebr.)

OMAHA, NEBR. (612).

Public stockyards inspection; Dr. Edwin L. Peck, 120 Livestock Exchange Bldg. Zone 7.
Virus-serum control; Dr. E. H. Carter, P. O. box 339, South Omaha Station (office, 203 Federal Bldg., South Omaha Station). Zone 7.
Substations: Grand Island, Lincoln, and Ralston, Nebr.

Ralston, Nebr.: Virus-serum control. (See Omaha, Nebr.)

Superior, Nebr.: Virus-serum control. (See Kansas City, Kans.)

NEVADA

RENO, NEV. (621) : Dourine, scabies, tuberculosis, and Bang's disease eradication; Dr. S. H. Still, P. O. box 2522 (office, 324 U. S. Post Office Bldg.)

NEW HAMPSHIRE

Durham, N. H.: Virus-serum control. (See Pearl River, N. Y.)

NEW JERSEY

CLIFTON, N. J. (640) : Athenia Quarantine Station; international inspection and quarantine; Dr. A. F. Staub.

Jersey City, N. J.: Public stockyards inspection. (See New York, N. Y.)

Newark, N. J.: Sanitary handling of import animal byproducts, hay, and straw. (See New York, N. Y.)

New Brunswick, N. J.: Virus-serum control. (See Pearl River, N. Y.)

Pleasantville, N. J.: Virus-serum control. (See Pearl River, N. Y.)

Stations of the Bureau, lines of work, and officials in charge—Continued

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NEW JERSEY—Continued

TRENTON, N. J. (643): Tuberculosis and Bang's disease eradication; Dr. J. R. Porteus, P. O. box 938 (office, 206-208 Post Office Bldg.). Zone 5.
Vineland, N. J.: Virus-serum control. (See Pearl River, N. Y.)

NEW MEXICO

ALBUQUERQUE, N. MEX. (660):
 Dourine, scabies, tuberculosis, and Bang's disease eradication; Dr. F. L. Schneider, P. O. box 464 (office, 209 Federal Bldg. Annex).
 Investigations of external parasites of livestock; Dr. Harry E. Kemper, P. O. box 464 (office, 210 Federal Bldg. Annex).
 Substation: Colorado Springs, Colo. Ox-warble control; Dr. C. E. Smith, P. O. box 885, Colorado Springs, Colo.
 Substation: San Angelo, Tex. External parasites of cattle; Dr. W. Clyde Mitchell, and Dr. Irwin H. Roberts, P. O. box 892, San Angelo, Tex.
 Substation: Las Vegas, N. Mex. External parasites of sheep; Dr. Norman G. Cobbett, P. O. box 134, Las Vegas, N. Mex.
FORT WINGATE, N. MEX. (661): Sheep breeding investigations; J. M. Cooper, Southwestern Range and Sheep Breeding Laboratory.
Las Vegas, N. Mex.: External parasites of sheep. (See Albuquerque, N. Mex.)

NEW YORK

ALBANY, N. Y. (670): Tuberculosis and Bang's disease eradication; sanitary handling of import animal byproducts, hay, and straw; Dr. H. B. Leonard, nineteenth floor, State Office Bldg. Zone 1.
BUFFALO, N. Y. (671): Public stockyards inspection; international inspection and quarantine; Dr. Chester R. Perkins, 27 Live Stock Exchange Bldg. Zone 6.
LA FARGEVILLE, N. Y. (681): International inspection and quarantine; Dr. Thurston W. Haller.
NEW YORK, N. Y. (674):
 International inspection and quarantine; public stockyards inspection; Dr. A. F. Staub, room 2024, 61 Broadway. Zone 6.
 Substations: Jersey City and Newark, N. J.
 Virus-serum control. (See Pearl River, N. Y.)
OGDENSBURG, N. Y. (675): International inspection and quarantine; Dr. Clarence O. Benson.
PEARL RIVER, N. Y. (676):
 Virus-serum control; Dr. F. A. Grenfell, P. O. box 286 (office, Lederle Laboratories, Inc.).
 Substations: Durham, N. H.; New Brunswick, Pleasantville, and Vineland, N. J.; New York, N. Y.; and Glen Olden, Marietta, Philadelphia, and Swiftwater, Pa.
ROUSES POINT, N. Y. (678): International inspection and quarantine; Dr. John W. Casey.

NORTH CAROLINA

RALEIGH, N. C. (703): Tuberculosis and Bang's disease eradication; hog-cholera control; sanitary handling of import animal byproducts, hay, and straw; Dr. A. A. Husman, 320-321 Agricultural Bldg.

NORTH DAKOTA

BISMARCK, N. DAK. (720):
 Scabies, tuberculosis, and Bang's disease eradication; public stockyards inspection; international inspection and quarantine; Dr. F. C. Driver, P. O. box 237 (office, 337 U. S. Post Office and Court House).
 Substation: West Fargo, N. Dak.
 West Fargo, N. Dak.: Public stockyards inspection. (See Bismarck, N. Dak.)

OHIO

CINCINNATI, OHIO (731): Public stockyards inspection; sanitary handling of import animal byproducts, hay, and straw; Dr. Albert E. Montgomery, Hopple St. and B. & O. Railroad. Zone 25.
 Cleveland, Ohio.: Public stockyards inspection. (See Columbus, Ohio.)
COLUMBUS, OHIO (733):
 Hog-cholera control; scabies, tuberculosis, and Bang's disease eradication; public stockyards inspection; Dr. A. J. DeFosset, 502 Hartman Bldg., 79 East State St. Zone 15.
 Substation: Cleveland, Ohio.
 Virus-serum control; Dr. Robert Thumann, 502 New Post Office Bldg. Zone 15.
 Substations: Indianapolis, Thorntown, and Zionsville, Ind.; Detroit and Rochester, Mich.; and Fostoria, Ohio.
 Fostoria, Ohio: Virus-serum control. (See Columbus, Ohio.)

OKLAHOMA

OKLAHOMA CITY, OKLA. (761):
 Hog-cholera control; scabies, tick, tuberculosis, and Bang's disease eradication; public stockyards inspection; Dr. C. H. Fauks, 507 Cotton Exchange Bldg., 2d and Harvey Sts. Zone 2.
 Virus-serum control. (See Okmulgee, Okla.)
OKMULGEE, OKLA. (763):
 Virus-serum control; Dr. F. N. Elwell, care Fidelity Laboratories, Inc.
 Substation: Oklahoma City, Okla.

OREGON

PORTLAND, OREG. (773): Tuberculosis and Bang's disease eradication; public stockyards inspection; international inspection and quarantine; Dr. S. B. Foster, 614 Post Office Bldg. Zone 9.

PENNSYLVANIA

Glen Olden, Pa.: Virus-serum control. (See Pearl River, N. Y.)
HARRISBURG, PA. (783): Tuberculosis and Bang's disease eradication; sanitary handling of import animal byproducts, hay, and straw; Dr. J. B. Reidy, P. O. box 174 (office, 213 South Office Bldg., State Capitol).

Stations of the Bureau, lines of work, and officials in charge—Continued

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PENNSYLVANIA—Continued

LANCASTER, PA. (784): Public stockyards inspection; Dr. H. S. Weber, Union Stock Yards.

Marietta, Pa.: Virus-serum control. (See Pearl River, N. Y.)

PHILADELPHIA, PA. (785):

Public stockyards inspection; international inspection and quarantine; Dr. Frederick S. Hope, Room 15-E, U. S. Custom House and Appraiser's Stores Bldg., 2d and Chestnut Sts. Zone 6. Virus-serum control. (See Pearl River, N. Y.)

PITTSBURGH, PA. (786): Public stockyards inspection; sanitary handling of import animal byproducts, hay, and straw; Dr. Herman T. Ludwig, 303 Livestock Exchange Bldg., Herts Island. Zone 22.

Swiftwater, Pa.: Virus-serum control. (See Pearl River, N. Y.)

PUERTO RICO

SAN JUAN, P. R. (973): Tick, tuberculosis, and Bang's disease eradication; international inspection and quarantine; Dr. E. E. Maas, P. O. box 844 (office, Building F, Puerto Rico Reconstruction Administration). Zone 4.

SOUTH CAROLINA

COLUMBIA, S. C. (812): Tick, tuberculosis, and Bang's disease eradication; hog-cholera control; Dr. W. K. Lewis, 408 State Office Bldg. Zone 10.

SOUTH DAKOTA

ARDMORE, S. DAK. (820). Western investigations in beef-cattle production; L. A. Wasserburger, acting in charge, Ardmore Field Station.

PIERRE, S. DAK. (825):

Scabies, tuberculosis, and Bang's disease eradication; hog-cholera control; public stockyards inspection; Dr. Neil Plank, P. O. box 156 (office, 309 Federal Bldg.).

Substation: Sioux Falls, S. Dak.

Sioux Falls, S. Dak.:

Public stockyards inspection. (See Pierre, S. Dak.)

Virus-serum control. (See Sioux City, Iowa.)

TENNESSEE

Memphis, Tenn.: Public stockyards inspection. (See Nashville, Tenn.)

NASHVILLE, TENN. (844):

Hog-cholera control; tuberculosis and Bang's disease eradication; public stockyards inspection; sanitary handling of import animal byproducts, hay, and straw; Dr. H. L. Fry, 342 U. S. Court House. Zone 3.

Substation: Memphis, Tenn.

TEXAS

Amarillo, Tex.: Virus-serum control. (See Fort Worth, Tex.)

ANGLETON, TEX. (863): Liver-fluke research, in cooperation with the Texas Agricultural Experiment Station; Dr. O. Wilford Olsen, Texas Agricultural Experiment Station (substation No. 3).

EL PASO, TEX. (854): International inspection and quarantine; Dr. A. E. Wardlow, 501 U. S. Court House.

TEXAS—Continued

FORT WORTH, TEX. (855):

Scabies, tick, tuberculosis, and Bang's disease eradication; public stockyards inspection; transportation of cattle from quarantined areas; hog-cholera control; Dr. H. L. Darby, 503 U. S. Court House. Zone 2.

Virus-serum control; Dr. E. E. Lollar, care Globe Laboratories, P. O. box 4368, Stock Yards Station. Zone 6.

Substation: Amarillo, Tex.

San Angelo, Tex.: External parasites of cattle. (See Albuquerque, N. Mex.)

SAN ANTONIO, TEX. (857): International inspection and quarantine; public stockyards inspection; Dr. William C. Dye, P. O. box 325 (office, 290 Federal Bldg.). Zone 6.

UTAH

Ogden, Utah: Public stockyards inspection. (See Salt Lake City, Utah.)

SALINA, UTAH (872): Investigations of effects of poisonous plants on animals (summer months of year); Dr. Ward T. Huffman.

SALT LAKE CITY, UTAH (873):

Scabies, tuberculosis, and Bang's disease eradication; public stockyards inspection; Dr. F. H. Melvin, P. O. box 57 (office, 450 Federal Bldg.), Zone 8.

Substation: Ogden, Utah.

Investigations of effects of poisonous plants on animals; Dr. Ward T. Huffman, 446 Federal Bldg. Zone 1.

VERMONT

MIDDLEBURY, VT. (885): Animal feeding and breeding investigations, with horses and sheep; John O. Williams, U. S. Morgan Horse Farm, R. F. D. No. 3.

MONTPELIER, VT. (886): Tuberculosis and Bang's disease eradication; Dr. N. H. Howlett, care Commissioner of Agriculture, State House.

NEWPORT, VT. (887): International inspection and quarantine; Dr. I. H. Kaufman, 37 Federal Bldg.

ST. ALBANS, VT. (888): International inspection and quarantine, Dr. Augustus Berdan, 213 Federal Bldg.

VIRGINIA

RICHMOND, VA. (903): Tuberculosis and Bang's disease eradication; international inspection and quarantine; hog-cholera control; public stockyards inspection; Dr. H. Sydnor Miller, 1102 State Office Bldg. Zone 19.

WASHINGTON

OLYMPIA, WASH. (920): Scabies, tuberculosis, and Bang's disease eradication; hog-cholera control; international inspection and quarantine; Dr. J. C. Exline, P. O. box 1163 (office, 203 Federal Bldg.).

SPOKANE, WASH. (922): Public stockyards inspection; international inspection and quarantine; Dr. J. A. Zimmerman, P. O. box 2184 (office, Old Union Stockyards). Zone 5.

Stations of the Bureau, lines of work, and officials in charge—Continued

[Lower-case **boldface** indicates substations; numbers in parentheses following stations are symbols used in accounting]

WEST VIRGINIA

CHARLESTON, W. VA. (940): Scabies, tuberculosis, and Bang's disease eradication; Dr. H. M. Newton, 346-348 Capitol Bldg. Zone 5.

WISCONSIN

Grafton, Wis.: Virus-serum control. (See East St. Louis, Ill.)

MADISON, WIS. (952): Hog-cholera control; tuberculosis and Bang's disease eradication; Dr. J. S. Healy, 330-332 Federal Bldg. Zone 3.

WISCONSIN—Continued

Milwaukee, Wis.: Public stockyards inspection; sanitary handling of import animal byproducts, hay, and straw. (See Chicago, Ill.)

Woodworth, Wis.: Virus-serum control. (See East St. Louis, Ill.)

WYOMING

CHEYENNE, WYO. (960): Scabies, tuberculosis, and Bang's disease eradication; Dr. W. E. Logan, 403 Federal Bldg.

STATE STATIONS AND STATE SUBSTATIONS AT WHICH THE BUREAU COOPERATES

CALIFORNIA

BERKELEY, CALIF. (250) :

Investigations of Bang's disease and brucellosis of swine; researches of vesicular exanthema of swine; diagnosis of bovine tuberculosis; in cooperation with the University of California; Dr. C. M. Haring, University of California.

DAVIS, CALIF. (252) :

Investigations of nutritional deficiencies as related to abortion in range cattle, in cooperation with the University of California; Dr. G. H. Hart, University of California.

GEORGIA

TIFTON, GA. (337) :

Animal-husbandry and animal-nutrition investigations, in cooperation with Georgia; beef-cattle forest-grazing studies, in cooperation with the Forest Service; George H. King, care Georgia Coastal Plain Experiment Station.

ILLINOIS

SPRINGFIELD, ILL. (367) :

Investigations in controlling swine erysipelas through the culture-serum method, in cooperation with the Illinois State Department of Agriculture; Dr. C. E. Fidler, Chief veterinarian.

INDIANA

LA FAYETTE, IND. (384) :

Investigations of brucellosis of swine, in cooperation with Purdue University; Dr. C. R. Donham, Purdue University Experiment Station.

IOWA

AMES, IOWA (411) :

Investigations of brucellosis of swine in cooperation with Iowa State College; Dr. R. E. Buchanan, Iowa State College.

DES MOINES, IOWA (414) :

Investigations in controlling swine erysipelas through the culture-serum method, in cooperation with the Iowa State Department of Agriculture; Dr. C. C. Franks, Chief, Division of Animal Industry.

KANSAS

MANHATTAN, KANS. (443) :

Investigations of anaplasmosis, in cooperation with the Kansas Agricultural Experiment Station; Dr. L. E. Call, Director.

KENTUCKY

FRANKFORT, KY. (460) :

Investigations in controlling swine erysipelas through the culture-serum method, in cooperation with the office of the State veterinarian; Dr. L. L. Breeck, State veterinarian.

MARYLAND

COLLEGE PARK, MD. (493) :

Investigations of Bang's disease, in cooperation with the University of Maryland; Dr. T. B. Symons, University of Maryland.

MICHIGAN

EAST LANSING, MICH. (525) :

Investigations of Bang's disease and brucellosis of swine, in cooperation with the Michigan State College; Dr. Ward Giltner, Michigan State College.

MINNESOTA

ST. PAUL, MINN. (534) :

Investigations of Bang's disease and brucellosis of swine, in cooperation with the Minnesota Agricultural Experiment Station; Dr. W. L. Boyd, Experiment Farm, Minnesota Agricultural Experiment Station.

MISSOURI

COLUMBIA, MO. (570) :

Study of work capabilities of horses and mules, in cooperation with Missouri; Dr. E. A. Trowbridge, care University of Missouri.

JEFFERSON CITY, MO. (572) :

Investigations in controlling swine erysipelas through the culture-serum method, in cooperation with the office of the State veterinarian; Dr. J. W. George, State veterinarian.

NEBRASKA

LINCOLN, NEBR. (610) :

Investigations in controlling swine erysipelas through the culture-serum method, in cooperation with the State Department of Agriculture; Dr. J. R. Snyder, Chief, Bureau of Animal Industry.

NEW YORK

ITHACA, N. Y. (672) :

Investigations of Bang's disease, in cooperation with the New York State Veterinary College; Dr. R. R. Birch, New York State Veterinary College.

NORTH CAROLINA

RALEIGH, N. C. (703) :

Beef-cattle and swine-feeding investigations, in cooperation with North Carolina; beef-cattle forest-grazing studies, in cooperation with the Forest Service; E. H. Hostetler, State College Station.

NORTH DAKOTA

BISMARCK, N. DAK. (720) :

Investigations in controlling swine erysipelas through the culture-serum method, in cooperation with the office of the State veterinarian; Dr. T. O. Brandenburg, State veterinarian.

OKLAHOMA

STILLWATER, OKLA. (762) :

Investigations of anaplasmosis, in cooperation with the Oklahoma Agricultural Experiment Station, W. L. Blizard, Director.

PENNSYLVANIA

PHILADELPHIA, PA. (785) :

Investigations of mastitis and Bang's disease; swine influenza; in cooperation with the School of Veterinary Medicine, University of Pennsylvania, Dr. G. A. Dick, Dean.

*State stations and State substations at which the Bureau cooperates—Continued***SOUTH DAKOTA****PIERRE, S. DAK. (825) :**

Investigations in controlling swine erysipelas through the culture-serum method, in cooperation with the office of the State veterinarian, Dr. R. S. Robinson, State veterinarian.

TEXAS**ALPINE, TEX. (850) :**

Investigations of locoweed poisoning in cooperation with the Texas Agricultural Experiment Station; A. B. Conner, Director, College Station, Tex.

BIG SPRING, TEX. (852) :

Beef-cattle feeding investigations, in cooperation with Texas; F. E. Keating (Bureau of Plant Industry), Big Spring Field Station.

FALFURRIAS, TEX. (861) :

Range-cattle mineral deficiency studies, in cooperation with Texas; M. B. Koonce, acting superintendent.

COLLEGE STATION, TEX. (853) :

Beef-cattle feeding investigations, in cooperation with Texas; J. M. Jones, care Texas Agricultural Experiment Station.

SONORA, TEX. (858) :

Sheep-breeding investigations, in cooperation with Texas; J. M. Jones, care Texas Agricultural Experiment Station, College Station, Tex.

SPUR, TEX. (862) :

Beef-cattle investigations, in cooperation with Texas; J. M. Jones, care Texas Agricultural Experiment Station, College Station, Tex.

WISCONSIN**MADISON, WIS. (952) :**

Investigations of Bang's disease and mastitis of cattle, in cooperation with Wisconsin Agricultural Experiment Station; Dr. M. R. Irwin, Wisconsin Agricultural Experiment Station.

ADDRESS LIST OF FIELD OFFICIALS IN CHARGE AND OTHERS

- Aldrich, Dr. E. M., 802 Customhouse Bldg., Boston 9, Mass.
- Allen, Dr. D. B., 134 Spruce West, Sault Ste. Marie, Mich.
- Andrews, Dr. John Scott, care Georgia Coastal Plain Experiment Station, Tifton, Ga.
- Applewhite, Dr. T. H., 204 Greenleaf Bldg., Jacksonville 2, Fla.
- Avery, Dr. Lawrence, Zoological Division, Beltsville, Md.
- Bard, Dr. Guy, Room 114 Livestock Exchange Bldg., Bourbon Stockyards, Louisville 6, Ky.
- Barger, Dr. J. A., Suite 301 Old Colony Bldg., Tenth St. and Grand Ave., Des Moines 9, Iowa.
- Barnhart, Dr. E. P., 205 Customhouse Bldg., Providence, R. I.
- Barth, Dr. O. E., 2314 North Twenty-fourth St., Birmingham, Ala.
- Baumann, Dr. E. H., 220 Federal Bldg., Jersey City, N. J.
- Bengston, Dr. J. S., 905 U. S. Custom House Bldg., Canal and Harrison Sts., Chicago 7, Ill.
- Benson, Dr. Clarence O., Ogdensburg, N. Y.
- Berdin, Dr. Augustus, 213 Federal Bldg., St. Albans, Vt.
- Birch, Dr. R. R., New York State Veterinary College, Ithaca, N. Y.
- Blizzard, W. L., Director, Oklahoma Agricultural Experiment Station, Stillwater, Okla.
- Boyd, Dr. W. L., Experiment Farm, Minnesota Agricultural Experiment Station, St. Paul, Minn.
- Brandenburg, Dr. T. O., State veterinarian, Bismarck, N. Dak.
- Breeck, Dr. L. L., State veterinarian, Frankfort, Ky.
- Bryan, Dr. Herbert, Federal Bldg., Augusta, Ga.
- Buchanan, Dr. R. E., Iowa State College, Ames, Iowa.
- Cady, Dr. B. J., 316 Water St., Augusta, Maine.
- Call, Dr. L. E., Director, Kansas Agricultural Experiment Station, Manhattan, Kans.
- Callahan, D. D., 225-226 Broker's Exchange Bldg., 264 West Tazewell St., Norfolk, Va.
- Carter, Dr. E. H., P. O. box 339, South Omaha Station (office, 203 Federal Bldg., South Omaha Station), Omaha 7, Nebr.
- Casey, Dr. John W., Rouses Point, N. Y.
- Clark, Dr. J. S., 11 U. S. Post Office and Court House, St. Joseph, Mo.
- Cobbett, Dr. Norman G., P. O. box 134, Las Vegas, N. Mex.
- Cole, Dr. Clarence G., P. O. box 70, Ames, Iowa.
- Coleman, Dr. J. H., care Granite State Packing Co., 163 Hancock St., Manchester, N. H.
- Conner, A. B., Director, Texas Agricultural Experiment Station, College Station, Tex.
- Coppinger, Dr. D. W., care Acme Provision Co., Inc., Bristol, Va.
- Cooper, J. M., Southwestern Range and Sheen Breeding Laboratory, Fort Wingate, N. Mex.
- Corson, Dr. Charles, P. O. box 45 (office, 315 Federal Bldg.), Dayton, Ohio.
- Coshow, Dr. E. E., 714 McClure Bldg., Frankfort, Ky.
- Craft, Dr. W. A., Regional Swine Breeding Laboratory, care Iowa State College, Ames, Iowa.
- Cronen, Dr. G. W., Live Stock Bldg., Capitol Station, Helena, Mont.
- Cross, Dr. S. X., 905 U. S. Custom House Bldg., Canal and Harrison Sts., Chicago 7, Ill.
- Darby, Dr. H. L., 503 U. S. Court House, Fort Worth 2, Tex.
- DeFosset, Dr. A. J., 502 Hartman Bldg., 79 East State St., Columbus 15, Ohio.
- Dendinger, Dr. W. C., 511 New Federal Bldg., Atlanta 3, Ga.
- Dick, Dr. G. A., Dean, School of Veterinary Medicine, University of Pennsylvania, Philadelphia, Pa.
- Dickson, Dr. John, room 204, 999 Exchange Ave., Union Stock Yards, Chicago 9, Ill.
- Donham, Dr. C. R., Purdue University Experiment Station, La Fayette, Ind.
- Driver, Dr. F. C., P. O. box 237 (office, 237 U. S. Post Office and Court House), Bismarck, N. Dak.
- Dye, Dr. William C., P. O. box 325 (office, 290 Federal Bldg.), San Antonio 6, Tex.
- Eichhorn, Dr. Adolph, Director, Animal Disease Station, Beltsville, Md.
- Elwell, Dr. F. N., care Fidelity Laboratories, Inc., Okmulgee, Okla.
- Epple, Dr. L. E., 303 U. S. Barge Office Bldg., New York, N. Y.
- Exline, Dr. J. C., P. O. box 1163 (office, 203 Federal Bldg.), Olympia, Wash.
- Fauks, Dr. C. H., 507 Cotton Exchange Bldg., Second and Harvey Sts., Oklahoma City 2, Okla.
- Fidler, Dr. C. E., Chief veterinarian, State Department of Agriculture, Springfield, Ill.
- Fischer, Dr. Fred E., 628-629 Idaho Bldg., Eighth and Bannock Sts., Boise, Idaho.
- Foster, Dr. S. B., 614 Post Office Bldg., Portland 9, Oreg.
- Franks, Dr. C. C., Chief, Division of Animal Industry, State Department of Agriculture, Des Moines, Iowa.
- Fretz, Dr. W. J., 1209 U. S. Post Office and Custom House, St. Paul 1, Minn.
- Fry, Dr. H. L., 342 U. S. Court House, Nashville 3, Tenn.
- George, Dr. J. W., State veterinarian, Jefferson City, Mo.
- Giltner, Dr. Ward, Michigan State College, East Lansing, Mich.
- Gordon, Clement D., care Animal Husbandry Experiment Station, Chinsegut Hill Sanctuary, Brooksville, Fla.
- Graham, Dr. Ralph, P. O. box 439 (office, 204 Federal Bldg.), Topeka, Kans.
- Graves, Dr. Earl F., P. O. box 125, Palmer, Alaska.
- Grenfell, Dr. F. A., P. O. box 286 (office, Lederle Laboratories, Inc.), Pearl River, N. Y.
- Haller, Dr. Thurston W., La Fargeville, N. Y.
- Haring, Dr. C. M., University of California, Berkeley, Calif.
- Hart, Dr. G. H., University of California, Davis, Calif.
- Hartman, Dr. G. R., 215 Federal Bldg., Chattanooga, 2, Tenn.
- Hays, Dr. C. H., 724 State Office Bldg., Lansing 13, Mich.
- Hayward, Dr. C. J., 429 Balter Bldg., 404 St. Charles St., New Orleans 12, La.

Address list of field officials in charge and others—Continued

- Healy, Dr. J. S., 330-332 Federal Bldg., Madison 3, Wis.
- Heiny, Dr. Edgar, 530 Customhouse, Denver 2, Colo.
- Heywang, B. W., Southwest Poultry Experiment Station, Glendale, Ariz.
- Hope, Dr. Frederick S., room 15-E U. S. Custom House and Appraiser's Stores Bldg., Second and Chestnut Sts., Philadelphia 6, Pa.
- Hostetler, E. H., State College Station, Raleigh, N. C.
- Howlett, Dr. N. H., care Commissioner of Agriculture, State House, Montpelier, Vt.
- Huffman, Dr. Ward T., 446 Federal Bldg., Salt Lake City 1, Utah.
- Hughes, Dr. E. C., P. O. Box 627 (office, 202 U. S. Post Office and Court House), Jefferson City, Mo.
- Husman, Dr. A. A., 320-321 Agricultural Bldg., Raleigh, N. C.
- Hyde, Dr. R. D., Federal Bldg., Calais, Maine.
- Imler, Dr. F. A., 19 Federal Bldg., Kansas City 10, Kans.
- Irwin, Dr. M. R., Wisconsin Agricultural Experiment Station, Madison, Wis.
- Jackson, Dr. Roy E., 409 New Post Office Bldg., Montgomery 4, Ala.
- Jenison, Dr. J. S., P. O. box 138 (office, 20 Livestock Exchange Bldg.), National Stockyards, Ill.
- Jerome, Dr. Charles A., 800-802 Livestock Exchange Bldg., Kansas City 15, Mo.
- Johnston, Dr. C. A., care Carstens Packing Co., Tacoma, Wash.
- Jones, J. M., Texas Agricultural Experiment Station, College Station, Tex.
- Joss, Dr. J. W., P. O. box 6 (office, 327 Federal Bldg.), East St. Louis, Ill.
- Julien, Dr. A. H., 219 Federal Building, Honolulu, Hawaii.
- Kaufman, Dr. I. H., 37 Federal Bldg., Newport, Vt.
- Kay, Harry, care Armour & Co., 266-268 Commercial St., Portland, Maine.
- Keating, F. E., Big Spring Field Station, Big Spring, Tex.
- Kemper, Dr. Harry E., P. O. box 464 (office, 210 Federal Building Annex), Albuquerque, N. Mex.
- King, Dr. George H., care Georgia Coastal Plain Experiment Station, Tifton, Ga.
- Klein, Dr. C. A., 520 Third Avenue (office, Albany Serum Co.), Albany, Ga.
- Koonce, M. B., Falfurrias, Tex.
- Kuttler, Dr. A. K., 403 Illinois National Bank Bldg., Springfield, Ill.
- Leonard, Dr. H. B., nineteenth floor, State Office Bldg., Albany 1, N. Y.
- Lewis, Dr. W. K., 408 State Office Bldg., Columbia 10, S. C.
- Lockwood, Dr. O. L., 824 Fidelity Bldg., Baltimore 1, Md.
- Logan, Dr. C. C., U. S. Post Office and Customhouse, Houlton, Maine.
- Lollar, Dr. E. E., care Globe Laboratories, P. O. box 4368, Stock Yards Station, Fort Worth 6, Tex.
- Logan, Dr. W. E., 403 Federal Building, Cheyenne, Wyo.
- Ludwig, Dr. Herman T., 303 Livestock Exchange Bldg., Herrs Island, Pittsburgh 22, Pa.
- McDonald, Dr. W. A., P. O. box 1391 (office, 326-327 Post Office and Court Bldg.), Baton Rouge 2, La.
- Maas, Dr. E. E., P. O. box 844 (office, Building F, Puerto Rico Reconstruction Administration), San Juan 4, Puerto Rico.
- Marks, Dr. David, 422 Federal Bldg., Wheeling, W. Va.
- Marshall, Dr. L. M., 415 Post Office Bldg., Seattle 11, Wash.
- Mau, Dr. F. C., P. O. box 635 (office, Livestock Exchange Annex), South St. Joseph, Mo.
- Meixel, Dr. Earl J., 429 Balter Bldg., 404 St. Charles St., New Orleans 12, La.
- Melvin, Dr. F. H., P. O. box 57 (office, 450 Federal Bldg.), Salt Lake City 8, Utah.
- Metcalf, Dr. Carl V., 5030 York St., Denver 16, Colo.
- Miller, Dr. H. Sydnor, 1102 State Office Bldg., Richmond 19, Va.
- Mitchell, Dr. W. Clyde, P. O. box 892, San Angelo, Tex.
- Montgomery, Dr. A. E., Hopple St. and B. & O. Railroad, Cincinnati 25, Ohio.
- Murdoch, Dr. J. W., 303 U. S. Post Office Bldg., Lincoln 8, Nebr.
- Newton, Dr. H. M., 346-348 Capitol Bldg., Charleston 5, W. Va.
- Nordby, Julius E., Western Sheep Breeding Laboratory, Dubois, Idaho.
- Olsen, Dr. O. Wilford, Texas Agricultural Experiment Station (substation No. 3), Angleton, Tex.
- O'Rear, Dr. H. M., P. O. box 1086 (office, 218 Federal Bldg.), Sacramento 5, Calif.
- Pace, Dr. John C., Calxico, Calif.
- Packer, Dr. A., care Sperry and Barnes Co., Long Wharf, New Haven, Conn.
- Park, Dr. J. F., P. O. box 244, West Plains, Mo.
- Patterson, G. A., care Swift & Co., 307-311 Nutt St., Wilmington, N. C.
- Peck, Dr. Edwin L., 120 Livestock Exchange Bldg., Omaha 7, Nebr.
- Perkins, Dr. Chester R., 27 Livestock Exchange Bldg., Buffalo 6, N. Y.
- Pierson, T. R., Food Inspection Bldg., Navy Yard, S. C.
- Plank, Dr. Neil, P. O. box 156 (office, 309 Federal Bldg.), Pierre, S. Dak.
- Porteus, Dr. J. R., P. O. box 938 (office, 206-208 Post Office Bldg.), Trenton 5, N. J.
- Potts, Carl G., Animal Husbandry Experiment Station, Beltsville, Md.
- Quesenberry, J. R., U. S. Range Livestock Experiment Station, Miles City, Mont.
- Rebold, Dr. G. P., rooms 6 and 7, 2503 San Pablo Ave., Berkeley 2, Calif.
- Reidy, Dr. J. B., P. O. box 174 (office, 213 South Office Bldg., State Capitol), Harrisburg, Pa.
- Rhoad, Albert O., Iberia Livestock Experiment Farm, Jeanerette, La.
- Rice, Dr. A. W., 507 Federal Bldg., Little Rock, Ark.
- Robbins, Dr. Hartwell, 1009-1013 Jackson Tower Bldg., 127 South Roach St., Jackson 1, Miss.
- Roberts, Dr. Irwin H., P. O. box 892, San Angelo, Tex.
- Robinson, Dr. R. S., State veterinarian, Pierre, S. Dak.
- Rutt, I. R., care Supply Officer, U. S. Naval Station, Key West, Fla.
- Sappington, Dr. Morey A., 207 Post Office Building, South St. Paul, Minn.
- Schneider, Dr. F. L., P. O. box 464 (office, 209 Federal Bldg. Annex), Albuquerque, N. Mex.
- Shanit, R. H., care Armour & Co., Worcester, Mass.
- Simms, Dr. B. T., P. O. drawer 952, Auburn, Ala.
- Skidmore, Dr. D. I., Division of Virus-Serum Control, Beltsville, Md.
- Smith, Dr. C. E., P. O. box 885, Colorado Springs, Colo.
- Smith, Dr. R. L., 207 State Office Bldg., Hartford, Conn.
- Snyder, Dr. J. R., Chief, Bureau of Animal Industry, Lincoln, Nebr.
- Staub, Dr. A. F., room 2024, 61 Broadway, New York 6, N. Y.; and Athenia Quarantine Station, Clifton, N. J.
- Stiles, Dr. George W., 517 Custom House, Denver 2, Colo.

Address list of field officials in charge and others—Continued

- Still, Dr. S. H., P. O. box 2522 (office, 324 U. S. Post Office Bldg.), Reno, Nev.
- Sullivan, Dr. W. A., 248 Consolidated Bldg., 115 N. Pennsylvania St., Indianapolis 4, Ind.
- Symons, Dr. T. B., University of Maryland, College Park, Md.
- Tepfer, Dr. D. G., 34 Post Office Bldg., Fort Dodge, Iowa.
- Thumann, Dr. Robert, 502 New Post Office Bldg., Columbus 15, Ohio.
- Trowbridge, Dr. E. A., care University of Missouri, Columbia, Mo.
- Vermillion, Dr. L. B., 320 Livestock Exchange Bldg., Stockyards Station, Sioux City 11, Iowa.
- Walter, Dr. Charles, care Johnson Serum Co., Topeka, Kans.
- Wardlow, Dr. A. E., 501 U. S. Court House, El Paso, Tex.
- Wasserburger, L. A., Ardmore Field Station, Ardmore, S. Dak.
- Weber, Dr. H. S., Union Stock Yards, Lancaster, Pa.
- Welsh, Dr. Mark, care University of Maryland, College Park, Md.
- Williams, John O., U. S. Morgan Horse Farm, R. F. D. No. 3, Middlebury, Vt.
- Winton, Berley, Regional Poultry Research Laboratory, East Lansing, Mich.
- Zenor, Dr. Perry, 323 Livestock Exchange Bldg., Stockyards Station, Sioux City 11, Iowa.
- Zimmerman, Dr. J. A., P. O. box 2181 (office, Old Union Stockyards), Spokane 5, Wash.
- Zumwalt, Dr. A. R., 217 U. S. Customs and Court House, San Diego, Calif.

ANIMAL DISEASE STATION AND FIELD COOPERATORS**Animal Disease Station**

Beltsville, Md.—Dr. Adolph Eichhorn, Director. This station contains more than 300 acres, is equipped with laboratories and other buildings, and is located in the southern portion of the Beltsville Research Center, about 13 miles from the Department of Agriculture, Washington, D. C. It conducts studies of animal diseases both independently and in cooperation with the Bureau laboratories in Washington and with State officials.

Field Cooperators

- Ames, Iowa.**—Investigations of brucellosis of swine, in cooperation with Iowa State College; Dr. R. E. Buchanan.
- Berkeley, Calif.**—Investigations of Bang's disease and brucellosis of swine; researches of vesicular exanthema of swine; diagnosis of bovine tuberculosis, in cooperation with the University of California; Dr. C. M. Haring.
- College Park, Md.**—Investigations of Bang's disease, in cooperation with the University of Maryland; Dr. T. B. Symons.
- Davis, Calif.**—Investigations of nutritional deficiencies as related to abortion in range cattle, in cooperation with the University of California; Dr. G. H. Hart.
- East Lansing, Mich.**—Investigations of Bang's disease and brucellosis of swine, in cooperation with the Michigan State College; Dr. Ward Giltner.
- Ithaca, N. Y.**—Investigations of Bang's disease, in cooperation with the New York State Veterinary College; Dr. R. R. Birch.
- La Fayette, Ind.**—Investigations of brucellosis of swine, in cooperation with Purdue University; Dr. C. R. Donham.
- Madison, Wis.**—Investigations of Bang's disease and mastitis of cattle, in cooperation with Wisconsin Agricultural Experiment Station; Dr. M. R. Irwin.
- Philadelphia, Pa.**—Investigations of mastitis and Bang's disease, in cooperation with the School of Veterinary Medicine, University of Pennsylvania; Dr. G. A. Dick, Dean.
- St. Paul, Minn.**—Investigations of Bang's disease and brucellosis of swine, in cooperation with the Minnesota Agricultural Experiment Station; Dr. W. L. Boyd, Experiment Farm.

ANIMAL HUSBANDRY DIVISION**EXPERIMENT AND FIELD STATIONS**

- Ames, Iowa, Regional Swine Breeding Laboratory.**—Dr. W. A. Craft, in charge, care Iowa State College, Regional research laboratory for the improvement of swine through the application of breeding methods and to coordinate such studies among the cooperating State Agricultural Experiment Stations of Iowa, Illinois, Indiana, Kansas, Michigan, Minnesota, Missouri, Nebraska, North Dakota, Ohio, Oklahoma, South Dakota, and Wisconsin.
- Ardmore, S. Dak., Ardmore Field Station.**—L. A. Wasserburger, acting in charge. This station contains 240 acres owned. It is used for investigations in range utilization with beef cattle.
- Beltsville, Md., Animal Husbandry Experiment Station.**—Carl G. Potts, in charge. This station, located near Beltsville, 13 miles northeast of the Department and 1 mile east of the Washington-Baltimore Boulevard, contains approximately 4,737 acres and is a part of the Beltsville Research Center. It is equipped with laboratory and other specialized facilities for conducting intensive animal-husbandry investigations with beef and dual-purpose cattle, swine, sheep, goats, poultry, horses, meat, and other products.
- Brooksville, Fla., Chinsegut Hill Sanctuary.**—Clement D. Gordon, in charge. This station comprises 2,033 acres, donated by Col. and Mrs. Raymond Robins, and 40 acres under lease. Experiments are conducted on breeding and grazing beef and dual-purpose cattle, poultry, and other livestock. Cooperation is maintained with the Florida Agricultural Experiment Station and other bureaus of this Department.

Annual Husbandry Division—Continued

- Dubois, Idaho, Sheep Experiment Station and Western Sheep Breeding Laboratory.**—Julius E. Nordby, in charge. This station comprises 49,125.6 acres; 28,363 acres in Idaho having been withdrawn by the President on October 30, 1915, and November 21, 1916; 16,650 acres in Montana withdrawn by Executive order December 19, 1922; and 4,112.6 acres purchased during the fiscal years 1940 to 1943, inclusive. The Sheep Experiment Station conducts experiments on the production of sheep under range conditions. The Western Sheep Breeding Laboratory is a regional research laboratory for the improvement of sheep for western ranges through the application of breeding methods, in cooperation with the State Agricultural Experiment Stations of Arizona, California, Colorado, Idaho, Montana, Nevada, New Mexico, Oregon, Texas, Utah, Washington, and Wyoming.
- East Lansing, Mich., Regional Poultry Research Laboratory** (Pathological Division cooperating).—Berley Winton, in charge. This station comprises 50 acres, donated by the Michigan State College in 1933. Regional research laboratory for the improvement of viability in poultry, in cooperation with the State Agricultural Experiment Stations of Connecticut, Delaware, Illinois, Indiana, Iowa, Kansas, Maine, Maryland, Massachusetts, Michigan, Minnesota, Missouri, Nebraska, New Hampshire, New Jersey, New York, North Dakota, Ohio, Oklahoma, Pennsylvania, Rhode Island, South Dakota, Vermont, West Virginia, and Wisconsin.
- Fort Wingate, N. Mex., Southwestern Range and Sheep Breeding Laboratory.**—J. M. Cooper, in charge. Sheep-breeding investigations, in cooperation with the Bureau of Indian Affairs, Department of the Interior, for the purpose of developing strains of sheep adapted to the handicraft requirements of the Navajo Indians and to the ecological conditions of the Southwest.
- Glendale, Ariz., Southwest Poultry Experiment Station.**—Burt W. Heywang, in charge. This station contains 20 acres of land, 10 acres of which were donated by the town of Glendale in 1921 and 10 acres purchased by the Department in 1933. Experiments are conducted in the feeding of poultry under southwestern conditions.
- Jeanerette, La., Iberia Livestock Experiment Farm.**—Albert O. Rhoad, in charge. This farm contains 1,176 acres of land held conditionally by the Department. Experiments relating to livestock dairying, and forage production are conducted by the Bureaus of Animal Industry, Dairy Industry, and Plant Industry.
- Middlebury, Vt., Morgan Horse Farm.**—John O. Williams, in charge. The farm comprises 987 acres, 435 of which were donated by Joseph Battell, February 1, 1907, and 552 acres were purchased under the act of Congress of March 4, 1917. The premises are used for animal feeding and breeding investigations, with horses and sheep.
- Miles City, Mont., Range Livestock Experiment Station.**—J. R. Quesenberry, in charge. This station comprises 56,300 acres acquired by act of Congress of April 15, 1924, transferring the Fort Keogh Military Reservation to this Department. Experimental investigations, in cooperation with the Montana Experiment Station, are conducted under range conditions with livestock and the production of crops in connection therewith.

FIELD COOPERATORS ¹

- Big Spring, Tex.**—Beef-cattle feeding investigations, in cooperation with Texas; F. E. Keating,² Big Spring Field Station.
- College Station, Tex.**—Beef-cattle feeding investigations, in cooperation with Texas; J. M. Jones, care Texas Agricultural Experiment Station.
- Columbia, Mo.**—Study of the work capabilities of horses and mules, in cooperation with Missouri; Dr. E. A. Trowbridge, care University of Missouri.
- Falfurrias, Tex.**—Range-cattle mineral deficiency studies, in cooperation with Texas; M. B. Koonce, acting superintendent.
- Raleigh, N. C.**—Beef-cattle and swine-feeding investigations, in cooperation with North Carolina; beef-cattle forest-grazing studies, in cooperation with the Forest Service; E. H. Hostetler, State College Station.
- Sonora, Tex.**—Sheep-breeding investigations, in cooperation with Texas; J. M. Jones, care Texas Agricultural Experiment Station, College Station, Tex.
- Spur, Tex.**—Beef-cattle feeding investigations in cooperation with Texas; J. M. Jones, care Texas Agricultural Experiment Station, College Station, Tex.
- Tifton, Ga.**—Animal-husbandry investigations, in cooperation with Georgia; beef-cattle forest-grazing studies, in cooperation with the Forest Service; George H. King, care Georgia Coastal Plain Experiment Station, Tifton, Ga.

¹ State stations, with this Bureau cooperating in specific animal-husbandry investigations.

² Employee of the Bureau of Plant Industry cooperating with this Bureau.

FIELD INSPECTION DIVISION

FIELD STATIONS

Cities where stations are maintained for eradication of scabies in sheep and cattle and dourine in horses; international inspection and quarantine; sanitary handling of import animal byproducts, hay, and straw; and combating certain other infectious diseases of domestic animals. (For names of officials in charge, see Stations of the Bureau, Lines of Work, and Officials in Charge, page 1.)

Albany, N. Y.	Fort Worth, Tex.	Olympia, Wash.
Albuquerque, N. Mex.	Frankfort, Ky.	Philadelphia, Pa.
Atlanta, Ga.	Harrisburg, Pa.	Pittsburgh, Pa.
Augusta, Maine.	Hartford, Conn.	Pierre, S. Dak.
Baltimore, Md.	Helena, Mont.	Portland, Oreg.
Baton Rouge, La.	Houlton, Maine.	Raleigh, N. C.
Bismarck, N. Dak.	Indianapolis, Ind.	Reno, Nev.
Boise, Idaho.	Jackson, Miss.	Richmond, Va.
Boston, Mass.	Jacksonville, Fla.	Rouses Point, N. Y.
Buffalo, N. Y.	Jefferson City, Mo.	Sacramento, Calif.
Calais, Maine.	La Fargeville, N. Y.	St. Albans, Vt.
Calexico, Calif.	Lansing, Mich.	St. Paul, Minn.
Charleston, W. Va.	Lincoln, Nebr.	Salt Lake City, Utah.
Cheyenne, Wyo.	Louisville, Ky.	San Antonio, Tex.
Chicago, Ill.	Nashville, Tenn.	San Juan, P. R.
Cincinnati, Ohio.	National Stock Yards, Ill.	Sault Ste. Marie, Mich.
Clifton, N. J.	New Orleans, La.	Spokane, Wash.
Columbus, Ohio.	Newport, Vt.	Springfield, Ill.
Denver, Colo.	New York, N. Y.	Topeka, Kans.
Des Moines, Iowa.	Ogdensburg, N. Y.	
El Paso, Tex.	Oklahoma City, Okla.	

[At the following stations employees of the War Food Administration, Livestock and Meats Branch, Meat Inspection Division, perform services for the Bureau on a reimbursable basis.]

- Bristol, Va.—Sanitary handling of import animal byproducts, hay, and straw; Dr. D. W. Coppinger, care Acme Provision Co., Inc.
- Charleston, S. C.—Sanitary handling of import animal byproducts, hay and straw; T. R. Pierson, Food Inspection Bldg., Navy Yard, S. C.
- Honolulu, Hawaii.—International inspection and quarantine; Dr. A. H. Julien, 219 Federal Bldg.
- Jersey City, N. J.—Sanitary handling of import animal byproducts, hay, and straw; Dr. E. H. Baumann, 220 Federal Bldg.
- Key West, Fla.—Sanitary handling of import animal byproducts, hay, and straw; I. R. Rutt, care Supply Officer, U. S. Naval Station.
- Manchester, N. H.—Sanitary handling of import animal byproducts, hay, and straw; Dr. J. H. Coleman, care Granite State Packing Co., 163 Hancock St.
- Mobile, Ala.—Sanitary handling of import animal byproducts, hay, and straw; Dr. C. J. Hayward, 429 Balter Bldg., 404 St. Charles St., New Orleans 12, La.
- New Haven, Conn.—Sanitary handling of import animal byproducts, hay, and straw; Dr. A. Packer, care Sperry & Barnes Co., Long Wharf.
- New London, Conn.—Sanitary handling of import animal byproducts, hay, and straw; Dr. L. E. Epple, 303 U. S. Barge Office Bldg., New York, N. Y.
- Norfolk, Va.—Sanitary handling of import animal byproducts, hay, and straw; D. D. Callahan, 225-226 Broker's Exchange Bldg., 264 W. Tazewell St.
- Portland, Maine.—Sanitary handling of import animal byproducts, hay, and straw; Harry Kay, care Armour & Co., 266-268 Commercial St.
- Providence, R. I.—Sanitary handling of import animal byproducts, hay, and straw; Dr. E. P. Barnhart, 205 Customhouse Bldg.
- San Diego, Calif.—International inspection and quarantine; Dr. A. R. Zumwalt, 217 U. S. Customs and Court House.
- Savannah, Ga.—Sanitary handling of import animal byproducts, hay, and straw; Dr. Herbert Bryan, Federal Bldg., Augusta, Ga.
- Seattle 11, Wash.—Sanitary handling of import animal byproducts, hay, and straw; Dr. L. M. Marshall, 415 Post Office Bldg.
- Tacoma, Wash.—Sanitary handling of import animal byproducts, hay, and straw; Dr. C. A. Johnston, care Carstens Packing Co.
- Wilmington, N. C.—Sanitary handling of import animal byproducts, hay, and straw; G. A. Patterson, care Swift & Co., 307-311 Nutt St.
- Worcester, Mass.—Sanitary handling of import animal byproducts, hay, and straw; R. H. Shanit, care Armour & Co.

ANIMAL QUARANTINE STATION

Clifton, N. J.—Dr. A. F. Staub, in charge. A station is maintained for the reception, at the port of New York, of cattle, sheep, other ruminants, and swine imported from foreign countries under Department regulations which require that they be held until it can be determined whether they are free from disease. This station is located at Athenia, N. J., on the Erie Railroad, 16 miles from Jersey City; area 52 acres; equipment, residences for the superintendent and helpers, cottages for temporary accommodation of cattle attendants, and 18 barns of brick and concrete construction with accommodation for about 600 cattle.

INTERSTATE INSPECTION DIVISION FIELD STATIONS

Cities where stations are maintained for public-stockyards inspection. (For names of officials in charge, see Stations of the Bureau, Lines of Work, and Officials in Charge, page 1.)

Atlanta, Ga.	Lansing, Mich.	Portland, Oreg.
Baltimore, Md.	Louisville, Ky.	Richmond, Va.
Bismarck, N. Dak.	Montgomery, Ala.	Sacramento, Calif.
Buffalo, N. Y.	Nashville, Tenn.	Salt Lake City, Utah.
Chicago, Ill.	National Stock Yards, Ill.	San Antonio, Tex.
Cincinnati, Ohio.	New Orleans, La.	Sioux City, Iowa.
Columbus, Ohio.	New York, N. Y.	South St. Joseph, Mo.
Denver, Colo.	Oklahoma City, Okla.	South St. Paul, Minn.
Fort Worth, Tex.	Omaha, Nebr.	Spokane, Wash.
Indianapolis, Ind.	Philadelphia, Pa.	Topeka, Kans.
Kansas City, Mo.	Pierre, S. Dak.	
Lancaster, Pa.	Pittsburgh, Pa.	

[At the following stations employees of the War Food Administration, Livestock and Meats Branch, Meat Inspection Division, perform services for the Bureau on a reimbursable basis.]

Birmingham, Ala.—Dr. O. E. Barth, 2314 North Twenty-fourth St.
Chattanooga 2, Tenn.—Dr. G. R. Hartman, 215 Federal Bldg.
Dayton, Ohio.—Dr. Charles Corson, P. O. box 45 (office, 315 Federal Bldg.).
Seattle 11, Wash.—Dr. L. M. Marshall, 415 Post Office Bldg.
Wheeling, W. Va.—Dr. David Marks, 422 Federal Bldg.

PATHOLOGICAL DIVISION

EXPERIMENT AND FIELD STATIONS

Ames, Iowa.—Dr. Clarence G. Cole, in charge. This station consists of 25 acres leased. It is located 1½ miles north of Ames and is equipped with a temporary laboratory and other buildings used in investigations of hog cholera and swine erysipelas.
Auburn, Ala., Regional Animal Disease Research Laboratory.—Dr. B. T. Simms, in charge. (See under Zoological Division.)
Chicago 7, Ill.—Dr. J. S. Bengston, in charge, 905 U. S. Custom House Bldg., Canal and Harrison Sts. Investigations of diseases of animals; examination of pathological specimens encountered at meat inspection stations.
Denver 2, Colo.—Dr. George W. Stiles, in charge, 517 Custom House. Investigation of diseases of animals; examination of pathological specimens encountered at meat-inspection stations.
East Lansing, Mich., Regional Poultry Research Laboratory.—Berley Winton, in charge. (See under Animal Husbandry Division.)
Salina, Utah.—Dr. Ward T. Huffman, in charge. Investigations of effects of poisonous plants on animals (summer months of year).
Salt Lake City 1, Utah.—Dr. Ward T. Huffman, in charge, 446 Federal Bldg. Investigations of effects of poisonous plants on animals.

FIELD COOPERATORS

Alpine, Tex.—Investigations of locoweed poisoning, in cooperation with the Texas Agricultural Experiment Station; A. B. Conner, Director.
Bismarck, N. Dak.—Investigations in controlling swine erysipelas through the culture-serum method, in cooperation with the office of the State veterinarian; Dr. T. O. Brandenburg, State veterinarian.
Des Moines, Iowa.—Investigations in controlling swine erysipelas through the culture-serum method, in cooperation with the Iowa State Department of Agriculture; Dr. C. C. Franks, Chief, Division of Animal Industry.
Frankfort, Ky.—Investigations in controlling swine erysipelas through the culture-serum method, in cooperation with the office of the State veterinarian; Dr. L. L. Breeck, State veterinarian.
Jefferson City, Mo.—Investigations in controlling swine erysipelas through the culture-serum method, in cooperation with the office of the State veterinarian; Dr. J. W. George, State veterinarian.
Lincoln, Nebr.—Investigations in controlling swine erysipelas through the culture-serum method, in cooperation with the State Department of Agriculture; Dr. J. R. Snyder, Chief, Bureau of Animal Industry.
Manhattan, Kans.—Investigations of anaplasmosis, in cooperation with the Kansas Agricultural Experiment Station; Dr. L. E. Call, Director.
Philadelphia, Pa.—Investigations of swine influenza, in cooperation with the School of Veterinary Medicine, University of Pennsylvania; Dr. G. A. Dick, Dean.
Pierre, S. Dak.—Investigations in controlling swine erysipelas through the culture-serum method, in cooperation with the office of the State veterinarian; Dr. R. S. Robinson, State veterinarian.
Springfield, Ill.—Investigations in controlling swine erysipelas through the culture-serum method, in cooperation with the Illinois State Department of Agriculture; Dr. C. E. Fidler, Chief veterinarian.
Stillwater, Okla.—Investigations of anaplasmosis, in cooperation with the Oklahoma Agricultural Experiment Station; W. L. Blizzard, Director.

PATHOLOGICAL LABORATORIES

Whenever it is necessary to submit specimens of diseased tissues for examination and diagnosis in connection with the meat-inspection service (Livestock and Meats Branch, War Food Administration), the inspector in charge should forward the specimens to one of the following names and addresses, nearest his station:

Chicago 7, Ill.....	Dr. J. S. Bengston.....	905 U. S. Custom House Bldg., Canal and Harrison Sts.
Denver 2, Colo.....	Dr. George W. Stiles.....	517 Custom House.
Washington 25, D. C.....	Bureau of Animal Industry.....	Washington, D. C.

DIVISION OF TICK ERADICATION AND SPECIAL DISEASES

FIELD STATIONS

Cities where stations are maintained for hog-cholera control. (For names of officials in charge, see Stations of the Bureau, Lines of Work, and Officials in Charge, page 1.)

Atlanta, Ga. Baton Rouge, La. Boise, Idaho. College Park, Md. Columbia, S. C. Columbus, Ohio. Denver, Colo. Des Moines, Iowa. Fort Worth, Tex.	Frankfort, Ky. Indianapolis, Ind. Jackson, Miss. Jacksonville, Fla. Jefferson City, Mo. Lansing, Mich. Lincoln, Nebr. Little Rock, Ark. Madison, Wis.	Montgomery, Ala. Nashville, Tenn. Oklahoma City, Okla. Olympia, Wash. Pierre, S. Dak. Raleigh, N. C. Richmond, Va. Springfield, Ill. Topeka, Kans.
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Cities where stations are maintained for tick eradication. (For names of officials in charge, see Stations of the Bureau, Lines of Work, and Officials in Charge, page 1.)

Baton Rouge, La. Columbia, S. C. Fort Worth, Tex. Jackson, Miss.	Jacksonville, Fla. Little Rock, Ark. Montgomery, Ala. Oklahoma City, Okla.	Sacramento, Calif. San Juan, P. R.
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TUBERCULOSIS ERADICATION DIVISION FIELD STATIONS

Cities where stations are maintained for tuberculosis and Bang's disease eradication. (For names of officials in charge, see Stations of the Bureau, Lines of Work, and Officials in Charge, page 1.)

Albany, N. Y. Albuquerque, N. Mex. Atlanta, Ga. Augusta, Maine. Baltimore, Md. Baton Rouge, La. Bismarck, N. Dak. Boise, Idaho. Boston, Mass. Charleston, W. Va. Cheyenne, Wyo. Columbia, S. C. Columbus, Ohio. Denver, Colo. Des Moines, Iowa. Fort Worth, Tex.	Frankfort, Ky. Harrisburg, Pa. Hartford, Conn. Helena, Mont. Indianapolis, Ind. Jackson, Miss. Jacksonville, Fla. Jefferson City, Mo. Lansing, Mich. Lincoln, Nebr. Little Rock, Ark. Madison, Wis. Montgomery, Ala. Montpelier, Vt. Nashville, Tenn. Oklahoma, City, Okla.	Olympia, Wash. Palmer, Alaska. Pierre, S. Dak. Portland, Oreg. Raleigh, N. C. Reno, Nev. Richmond, Va. Sacramento, Calif. Salt Lake City, Utah. San Juan, P. R. St. Paul, Minn. Springfield, Ill. Topeka, Kans. Trenton, N. J.
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[At the following station an employee of the War Food Administration, Livestock and Meats Branch, Meat Inspection Division, performs services for the Bureau on a reimbursable basis.]
Honolulu, Hawaii.—Dr. A. H. Julien, 219 Federal Bldg.

DIVISION OF VIRUS-SERUM CONTROL

ESTABLISHMENTS, BY LICENSE NUMBERS, WITH PRINCIPAL OR MAILING ADDRESSES

(For names of supervising stations and locations of establishments, see Establishments, by Stations, page 17.)

3. Sharp & Dohme, Inc., Broad and Wallace Sts., Philadelphia, Pa. (mail, Glen Olden, Pa.).
- 3A. Sharpe & Dohme, Inc., 327 Arizona Ave., St. Joseph, Mo.
4. The Abbott Laboratories, 14th St. and Sheridan Road, North Chicago, Ill.
5. Parke, Davis & Co., P. O. box 118 R. P. Annex, Detroit, Mich.
- 6A. Pittman-Moore Co., Division of Allied Laboratories, Inc., 1200 Madison Ave., Indianapolis, Ind.
- 6C. Allied Laboratories, Inc., 507 E. 31st St., Kansas City, Mo.
Pitman-Moore Co., 1100 Bluff Road, Sioux City, Iowa.
- Sioux City Serum Co., 1100 Bluff Road, Sioux City, Iowa.
- 6D. Allied Laboratories, Inc., 507 E. 31st St., Kansas City, Mo.
Sioux Falls Serum Co., 2000 Wabash Ave., Sioux Falls, S. Dak.
8. The Hevner Serum Co., 1873 F St., Franklin, Nebr.
9. Lederle Laboratories, Inc., 30 Rockefeller Plaza, New York, N. Y. (mail, Pearl River, N. Y.).
- 9A. Lederle Laboratories, Inc., Lake Road, South St. Joseph, Mo. (mail, P. O. box 695).
17. Beebe Laboratories, Inc., Larpenteur Ave. and Winthrop St., St. Paul, Minn. (mail, P. O. box 3575).
23. The Missouri Valley Serum Co., 50 N. 2d St., Kansas City, Kans.
34. Peters Serum Co., Lobby, Livestock Exchange Bldg., Kansas City, Mo.
48. Indiana Farm Bureau Serum Corporation, near Thorntown, Ind.
52. Cutter Laboratories, foot of Carleton St., Berkeley, Calif.
54. Kansas State College of Agriculture and Applied Science, Manhattan, Kans.
56. The Southwestern Serum Co., 821 E. 21st St., Wichita, Kans.
61. Guilfoil Serum Co., 18 N. 2d St., Kansas City, Kans.
69. Wilke Laboratories, Lincoln Ave. and Third St., West Plains, Mo.
70. The St. Joseph Veterinary Laboratories, 9th and Mary Sts., St. Joseph, Mo.
77. Corn Belt Serum Co., 215 Winstanley Ave., East St. Louis, Ill.
83. E. R. Squibb & Sons, Georges Road, New Brunswick, N. J.
84. Grain Belt Supply Co., 4901 S. 33d St., Omaha, Nebr.
91. The Gregory Laboratory, White Hall, Ill.
99. The Corn States Serum Co., 1124 Harney St., Omaha, Nebr.
- 99A. The Corn States Serum Co., Ralston, Nebr. (mail, 1124 Harney St., Omaha, Nebr.).
103. Armour & Co., 2d St. and Splitlog Ave., Kansas City, Kans. (mail, Kaw Station, Kansas City, Kans.).
107. Jensen-Salsbery Laboratories, Inc., 520 West Pennway, Kansas City, Mo.
110. American Cooperative Serum Association, 2117 Leech St., Sioux City, Iowa.
111. Blue Cross Serum Co., Superior, Nebr.
112. Fort Dodge Serum Co., 300 1st Ave. South, Fort Dodge, Iowa.
115. The Denver Hog Serum Co., 1400 E. 47th Ave., Denver, Colo.
- 117A. O. M. Franklin Serum Co., 408 Livestock Exchange Bldg., Denver, Colo. (mail, 109 N. Monroe St., Amarillo, Tex.).
119. The Gilliland Laboratories, Inc., Marietta, Pa.
124. Anchor Serum Co., Livestock Exchange Bldg., South St. Joseph, Mo.
125. Aurora Serum Co., Aurora, Ill.
131. The Fostoria Serum Co., Columbus Ave., Fostoria, Ohio.
133. The National Vaccine & Serum Co., 501 E. Las Vegas St., Colorado Springs, Colo.
143. The Johnson Serum Co., Crane and Jefferson Sts., Topeka, Kans.
145. West Plains Serum Co., Springfield Road, West Plains, Mo.
148. W. F. Straub & Co., 5520 Northwest Highway, Chicago, Ill. (mail 7257 West Touhy Ave.).
156. The Brawner Serum Co., Lathrop, Mo.
158. Globe Laboratories, Fostepco Heights, Fort Worth, Tex. (mail, P. O. box 4368, Stock Yards Station).
159. Albany Serum Co., 3d and Front Sts., Albany, Ga. (mail, P. O. box 121).
163. Fidelity Laboratories, Inc., Okmulgee, Okla. (mail, 822 Exchange Ave., Chicago, Ill.).
- 163A. Fidelity Laboratories, Inc., 1838 SW. 13th St., Oklahoma City, Okla. (mail, 822 Exchange Ave., Chicago, Ill.).
165. American Scientific Laboratories, 105 Mason St., Polo, Ill.
167. United States Standard Products Co., Woodworth, Wis.
168. Peerless Serum Co., northwest corner Lyons Ave. and Water St., Kansas City, Kans.
172. Diamond Serum Co., 1635 Maury St., Des Moines, Iowa.
174. The Columbus Serum Co., 2025 S. High St. (mail, Station G), Columbus, Ohio.
179. Columbus Vaccine Co., 765 E. Hudson St., Columbus, Ohio.
180. Klusmire Biologic Laboratories, 2514 O St., Omaha, Nebr.
188. Colorado Serum Co., 4950 York St., Denver 16, Colo.
189. Norden Laboratories, 227 N. 9th St., Lincoln, Nebr.
- 189A. Norden Laboratories, Grand Island, Nebr. (mail, 227 N. 9th St., Lincoln, Nebr.).
190. The National Drug Co., 4657 Stenton Ave., Philadelphia, Pa.
191. Ashe Lockhart, Inc., 800 Woodswether Road, Kansas City, Mo.
193. Rea Serum Co., foot of Chouteau Ave., St. Louis, Mo.
194. Poultry Pathological Laboratories, New Hampshire Agricultural Experiment Station, Durham, N. H.
195. Dr. Salsbury's Laboratories, 402 Cedar St., Charles City, Iowa.
196. Vineland Poultry Laboratories, E. Landis Ave., Vineland, N. J.
197. Patterson-Harwood Laboratories, Fairmont Addition, Manhattan, Kans.
198. The National Laboratories Corporation, 210 Central Ave., Kansas City, Kans.

Establishments, by license numbers, with principal or mailing addresses—Contd.

199. Brandner Laboratory, 319 B St., Petaluma, Calif.
 202. Colorado Springs Vaccine Laboratories, Inc., near Colorado Springs, Colo. (mail, P. O. box 302).
 203. Johnson Laboratories, 2030 Broadway, Kansas City, Mo.
 204. The Gland-O-Lac Co., 19th and Leavenworth Sts., Omaha, Nebr.
 207. New Jersey Poultry Laboratories, Maple Ave. and Spring Road, Vineland, N. J.
 208. Fromm Laboratories, Inc., Grafton, Wis.
 209. Wene Poultry Laboratories, Pleasantville, N. J.
 210. I. D. Russell Co., 2463 Harrison St., Kansas City, Mo.
 211. Sherman Laboratories, 14600 E. Jefferson Ave., Detroit, Mich.

ESTABLISHMENTS, BY STATIONS

ALBANY, GA.:

159. Albany Serum Co., 3d and Front Sts.

Amarillo, Tex.:

- (Substation of Fort Worth, Tex.)

Aurora, Ill.:

- (Substation of East St. Louis, Ill.)

BERKELEY, CALIF.:

52. Cutter Laboratories, foot of Carleton St. and 7th St. and Dwight Way; 4th St. and Calco Way; and 8th St. and Dwight Way.

SUBSTATION:

199. Brandner Laboratory, 319 B St., Petaluma, Calif.

Charles City, Iowa:

- (Substation of Fort Dodge, Iowa.)

Chicago, Ill.:

- (Substation of East St. Louis, Ill.)

Colorado Springs, Colo.:

- (Substation of Denver, Colo.)

COLUMBUS, OHIO:

174. The Columbus Serum Co., 2025 S. High St., Columbus, Ohio.
 179. The Columbus Vaccine Co., 765 E. Hudson St., Columbus, Ohio.

SUBSTATIONS:

131. The Fostoria Serum Co., Columbus Ave., Fostoria, Ohio.
 5. Parke, Davis & Co., foot McDougal Ave., Detroit Mich., and Parke-dale Farm, Rochester, Mich.
 48. Indiana Farm Bureau Serum Corporation, Thorntown, Ind.
 6A. Pitman-Moore Co., Division of Allied Laboratories, Inc., 1200 Madison Ave., Indianapolis, Ind.; establishment near Zionsville, Ind.
 211. Sherman Laboratories, 14600 E. Jefferson Ave., Detroit, Mich.

DENVER, COLO.:

188. Colorado Serum Co., 4950 York St. Zone 16.
 115. The Denver Hog Serum Co., 5030 York St. and 1400 E. 47th Ave.

SUBSTATION:

202. Colorado Springs Vaccine Laboratories, Inc., near Colorado Springs, Colo.
 133. The National Vaccine & Serum Co., 443 and 447-501 E. Las Vegas St., Colorado Springs, Colo.

Des Moines, Iowa:

- (Substation of Fort Dodge, Iowa.)

Detroit, Mich.:

- (Substation of Columbus, Ohio.)

Durham, N. H.:

- (Substation of Pearl River, N. Y.)

EAST ST. LOUIS, ILL.:

77. Corn Belt Serum Co., 215 Winstanley Ave.

SUBSTATIONS:

125. Aurora Serum Co., Aurora, Ill.
 148. W. F. Straub & Co., 7257 W. Touhy Ave., Chicago, Ill.
 4. The Abbott Laboratories, 14th St. and Sheridan Road, North Chicago, Ill.

EAST ST. LOUIS, ILL.—Continued

SUBSTATIONS:

165. American Scientific Laboratories, 105 Mason St., and 109 Colden St., Polo, Ill.
 193. Rea Serum Co., foot of Chouteau Ave., St. Louis, Mo.
 91. The Gregory Laboratory, White Hall, Ill.
 167. United States Standard Products Co., Woodworth, Wis.
 208. Fromm Laboratories, Inc., Grafton, Wis.

FORT DODGE, IOWA:

112. Fort Dodge Serum Co., 300 1st Ave. South, and two miles from city in Douglas Township.

SUBSTATIONS:

195. Dr. Salsbury's Laboratories, 402 Cedar St., Charles City, Iowa.
 172. Diamond Serum Co., 1635 Maury St., Des Moines, Iowa.

FORT WORTH, TEX.:

158. Globe Laboratories, Fostepco Heights.

SUBSTATION:

- 117A. O. M. Franklin Serum Co., 109 N. Monroe St., Amarillo, Tex.

Fostoria, Ohio:

- (Substation of Columbus, Ohio.)

Franklin, Nebr.:

- (Substation of Kansas City, Kans.)

Glen Olden, Pa.:

- (Substation of Pearl River, N. Y.)

Grafton, Wis.:

- (Substation of East St. Louis, Ill.)

Grand Island, Nebr.:

- (Substation of Omaha, Nebr.)

Indianapolis, Ind.:

- (Substation of Columbus, Ohio.)

KANSAS CITY, KANS.:

103. Armour & Co., 2d St. and Splitlog Ave.
 61. Guilfoil Serum Co., 18 N. 2d St.
 23. The Missouri Valley Serum Co., 50 N. 2d St.
 198. The National Laboratories Corporation, 210 Central Ave.
 168. Peerless Serum Co., NW. corner Lyons Ave. and Water St.
 34. Peters Serum Co., S. 2d St. and Myers Ave., Kansas City, Kans., and 4412 Main St., Kansas City, Mo.

SUBSTATIONS:

56. The Southwestern Serum Co., 821 E. 21st St., Wichita, Kans.
 8. The Heyner Serum Co., 1873 F St., Franklin, Nebr.
 107. Jensen-Salsbery Laboratories, Inc., 520 West Penuway, Kansas City, Mo.; and near 12th St. and Douglas Ave., Kansas City, Kans.
 203. Johnson Laboratories, 2030 Broadway, Kansas City, Mo.
 191. Ashe Lockhart, Inc., 800 Woodswether Road, Kansas City, Mo.
 210. I. D. Russell Co., 2463 Harrison St., Kansas City, Mo.

*Establishments. by stations—Continued***KANSAS CITY, KANS.—Continued****SUBSTATIONS:**

156. The Brawner Serum Co., Lathrop, Mo.

111. Blue Cross Serum Co., Superior, Nebr.

Kansas City, Mo.:

(Substation of Kansas City, Kans.)

Lathrop, Mo.:

(Substation of Kansas City, Kans.)

Lincoln, Nebr.:

(Substation of Omaha, Nebr.)

Manhattan, Kans.:

(Substation of Topeka, Kans.)

Marietta, Pa.:

(Substation of Pearl River, N. Y.)

New Brunswick, N. J.:

(Substation of Pearl River, N. Y.)

New York, N. Y.:

(Substation of Pearl River, N. Y.)

North Chicago, Ill.:

(Substation of East St. Louis, Ill.)

Oklahoma City, Okla.:

(Substation of Okmulgee, Okla.)

OKMULGEE, OKLA.:

163. Fidelity Laboratories, Inc.

SUBSTATION:

163A. Fidelity Laboratories, 1838 SW. 13th St., Oklahoma City, Okla.

OMAHA, NEBR.:

99. The Corn States Serum Co., 1124 Harney St. and 44th and U Sts.

204. The Gland-O-Lac Co., 19th and Leavenworth Sts.

84. Grain Belt Supply Co., 4901 S. 33d St.

180. Klusmire Biologic Laboratories, 13th St. and Bellevue Blvd.

SUBSTATIONS:

189. Norden Laboratories, 227 N. 9th St., Lincoln, Nebr.

189A. Norden Laboratories, W. 2d St. Road, Grand Island, Nebr.

99A. The Corn States Serum Co., 77th St. and Serum Ave., Ralston, Nebr.

PEARL RIVER, N. Y.:

9. Lederle Laboratories, Inc., Middletown Road.

SUBSTATIONS:

194. Poultry Pathological Laboratories, New Hampshire Agricultural Experiment Station, Durham, N. H.

3. Sharp & Dohme, Inc., Broad and Wallace Sts., Philadelphia, Pa.; and Glen Olden, Pa.

119. The Gilliland Laboratories, Inc., Wasp and Biddle Sts., Marietta, Pa.

83. E. R. Squibb & Sons, Georges Road, New Brunswick, N. J.

190. The National Drug Co., 4657 Stenton Ave., Philadelphia, Pa., and Swiftwater, Pa.

209. Wene Poultry Laboratories, Pleasantville, N. J.

207. New Jersey Poultry Laboratories, Maple Ave. and Spring Road, Vineland, N. J.

196. Vineland Poultry Laboratories, E. Landis Ave., Vineland, N. J.

Petaluma, Calif.:

(Substation of Berkeley, Calif.)

Philadelphia, Pa.:

(Substation of Pearl River, N. Y.)

Pleasantville, N. J.:

(Substation of Pearl River, N. Y.)

Polo, Ill.:

(Substation of East St. Louis, Ill.)

Ralston, Nebr.:

(Substation of Omaha, Nebr.)

Rochester, Mich.:

(Substation of Columbus, Ohio.)

ST. JOSEPH, MO.:

3A. Sharp & Dohme, Inc., 327 Arizona Ave.

70. The St. Joseph Veterinary Laboratories, 1502 Garfield Ave.

SUBSTATION:

9A. Lederle Laboratories, Inc., Lake Road, South St. Joseph, Mo. (mail, P. O. box 695.)

124. Anchor Serum Co., south of stockyards, South St. Joseph, Mo.

St. Louis, Mo.:

(Substation of East St. Louis, Ill.)

St. Paul, Minn.:

(Substation of Sioux City, Iowa.)

SIOUX CITY, IOWA:

6C. Allied Laboratories, Inc.; office, 507 East 31st St., Kansas City, Mo.; establishment, 1100 Bluff Road.

Pitman-Moore Co., 1100 Bluff Road. Sioux City Serum Co., 1100 Bluff Road.

110. American Cooperative Serum Association, 2117 Leech St.

SUBSTATIONS:

17. Beebe Laboratories, Inc., Larpenteur Ave. and Winthrop St., St. Paul, Minn.

6D. Allied Laboratories, Inc.; office, 507 E. 31st St., Kansas City, Mo.; establishment, 2000 Wabash Ave., Sioux Falls, S. Dak. Sioux Falls Serum Co., 2000 Wabash Ave., Sioux Falls, S. Dak.

Sioux Falls, S. Dak.:

(Substation of Sioux City, Iowa.)

South St. Joseph, Mo.:

(Substation of St. Joseph, Mo.)

Superior, Nebr.:

(Substation of Kansas City, Kans.)

Swiftwater, Pa.:

(Substation of Pearl River, N. Y.)

Thorntown, Ind.:

(Substation of Columbus, Ohio.)

TOPEKA, KANS.:

143. The Johnson Serum Co., Crane and Jefferson Sts.

SUBSTATION:

54. Kansas College of Agriculture and Applied Science, Manhattan, Kans.

197. Patterson-Harwood Laboratories, Fairmont Addition, Manhattan, Kans.

Vineland, N. J.:

(Substation of Pearl River, N. Y.)

WEST PLAINS, MO.:

69 Wilke Laboratories, Lincoln Ave. and Third St.

145. West Plains Serum Co., Springfield Road.

White Hall, Ill.:

(Substation of East St. Louis, Ill.)

Wichita, Kans.:

(Substation of Kansas City, Kans.)

Woodworth, Wis.:

(Substation of East St. Louis, Ill.)

Zionsville, Ind.:

(Substation of Columbus, Ohio.)

ZOOLOGICAL DIVISION EXPERIMENT AND FIELD STATIONS

Albuquerque, N. Mex.—Dr. H. E. Kemper, in charge, P. O. box 464 (office, 210 Federal Bldg. Annex). Investigations of external parasites of livestock.

Angleton, Tex.—Dr. O. Wilford Olsen, in charge, care Texas Agricultural Experiment Station (substation No. 3). Liver-fluke research, in cooperation with Texas Agricultural Experiment Station.

Auburn, Ala., Regional Animal Disease Research Laboratory. (Pathological Division cooperating).—Dr. B. T. Simms, in charge. This station comprises 50 acres, donated by the Alabama Polytechnic Institute in 1937. Regional research laboratory for studies of the mechanism of infection in the contagious, infectious, and parasitic diseases of domestic animals and poultry and methods of control, in cooperation with the State Agricultural Experiment Stations of Virginia, North Carolina, South Carolina, Georgia, Florida, Alabama, Mississippi, Louisiana, Texas, Arkansas, Tennessee, Kentucky, and Oklahoma.

Beltsville, Md.—Dr. Lawrence Avery, in charge. Investigations of parasitic diseases, especially in relation to pastures.

Chicago 7, Ill.—Dr. S. X. Cross, in charge, 905 U. S. Custom House Bldg., Canal and Harrison Sts. Investigations of parasites, in relation to meat inspection.

Colorado Springs, Colo.—(Substation of Albuquerque, N. Mex.) Ox-warble control; Dr. C. E. Smith, P. O. box 885.

Las Vegas, N. Mex.—(Substation of Albuquerque, N. Mex.). External parasites of sheep;
Dr. Norman G. Cobbett, P. O. box 134.

San Angelo, Tex.—(Substation of Albuquerque, N. Mex.) External parasites of cattle; Dr. W. Clyde Mitchell and Dr. Irwin H. Roberts, P. O. box 892.

Tifton, Ga.—Dr. John Scott Andrews, in charge, care Georgia Coastal Plain Experiment Station. Investigations of swine parasites, in cooperation with the Georgia Coastal Plain Experiment Station.

DIRECTORY CHANGES

[These pages are provided for listing changes in the directory as they are published by the Bureau of Animal Industry in the monthly Service and Regulatory Announcements.]

Employees are requested to number consecutively in the directory all the entries affected, and to number correspondingly the corrections as listed on these pages.]

1. The first step in the process of the scientific method is to make an observation or ask a question.

2. Next, a hypothesis is made, which is an educated guess or prediction about the outcome of the experiment.

3. The hypothesis is then tested by conducting an experiment, which involves manipulating one variable while keeping all other variables constant.

4. The results of the experiment are then analyzed, and the data is used to either support or reject the hypothesis.

5. If the hypothesis is supported, it becomes a theory. If it is rejected, a new hypothesis is made and the process starts over.

6. The scientific method is a systematic approach to investigating the natural world, and it is used by scientists in all fields of study.

7. The scientific method is a process that allows scientists to test their ideas and theories, and it is a key part of the scientific revolution.

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